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UTILITY PATENT APPLICATION TRANSMITTAL

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. NC 84,517 Attorney Docket No. First Inventor Sean J. Hart LASER OPTICAL SEPARATOR AND METHOD FOR SEPARATING COLLOIDAL SUSPENSIONS

Express Mail Label No.

(Only for new non provisional applications under 37 CFR 1.53(b)) **APPLICATION ELEMENTS** 

Address

Country

City

Code 1008.2

Washington

US

APPLICA	TION ELEMENTS	Assistant Commissioner for Patents  ADDRESS TO: Box Patent Application				
See MPEP chapter 600 conc	erning utility patent application contents.	Washington, DC 20231				
1. Submit an original and	orm (e.g., PTO/SB/17) a duldicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)				
2. Applicant claims si See 37 CFR 1.27.	,	Nucleotide and/or Amino Acid Sequence Submission     (if applicable, all necessary)				
3. Specification (preferred arrangement		a. Computer Readable Form (CRF)				
- Descriptive title		b. Specification Sequence Listing on:				
- Cross Reference	e to Related Applications arding Fed sponsored R & D	t CD-ROM or CD-R (2 copies); or				
- Reference to se	quence listing, a table,					
or a computer p	rogram listing appendix	1 paper				
- Background of		c. Statements verifying identity of above copies				
- Brief Summary	of the Invention n of the Drawings (if filed)	ACCOMPANYING APPLICATION PARTS				
- Detailed Descri						
- Claim(s)	,	9. Assignment Papers (cover sheet & document(s))				
- Abstract of the	Disclosure	10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney				
4. X Drawing(s) (35 U	J. S. C. 113) [ Total Sheets 11	11. English Translation Document (if applicable)				
5. Oath or Declaration [ Total Pages 38   12. Statement (IDS)/PTO-1449 Citations						
a. X Newly execu	uted (original or copy)	13. Preliminary Amendment				
b. Copy from a (for continua	prior application (37 CFR 1.63 (d)) tion/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)				
ı. DELET	ION OF INVENTOR(S)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)				
	tement attached deleting inventor(s) the prior application, see 37 CFR	Demost and Continue and 25 to 0.0 400				
	and 1.33(b).	(b)(2)(13)(i). Applicant must attach form PTO/SB/35				
6. X Application Data	Sheet. See 37 CFR 1.76	or its equivalent.				
		<u> </u>				
<ol><li>If a CONTINUING APPLI or in an Application Data She</li></ol>	CATION, check appropriate box, and supply	the requisite information below and in a preliminary amendment,				
Continuation	Divisional Continuation-in-part (CIP)	of prior application No.:/				
Prior application information: Examiner Group Art Unit						
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under						
Box 5b, is considered a part of	f the disclosure of the accompanying continuati	ion or divisional application and is hereby incorporated by reference.				
The incorporation can only be	<del></del> -	ntly omitted from the submitted application parts.				
· · · · · · · · · · · · · · · · · · ·	19 CORRESPONDEN	CE ADDRESS				
X Customer Number or Bar Code Label  (Insert Customer No. or Ritach bar code label here)  Or Correspondence address below						
Name	Naval Research Laboratory, Code 10	08.2				
	4555 Overlook Ave., S.W,					
Address	Code 1008 2					

Zip Code

Fax

20375-5320

202-404-7380

		<u> </u>	
Name (Print/Type)	John J. Karasek	Registration No. (Attomey/Ager	ot) 36,182
Signature	/////////	Date	9/30/03
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John J. Karasek

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## FEE TRANSMITTAL for FY 2003

(\$) 750.00

Effective 0110112003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27 **TOTAL AMOUNT OF PAYMENT** 

Complete if Known				
Application Number	Not yet assigned			
Filing Date	September 30, 2003			
First Named Inventor	Sean J. Hart			
Examiner Name	Not yet assigned			
Art Unit	Not yet assigned			
Attorney Docket No.	84,517			

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)				
Check Cred	Credit card Money Other None 3. ADDITIONAL FEES					
		Large Entity	Small Entity			
Deposit Account:		Fee Fee Code (\$)	Fee Fee Code (\$)			
Account		1051 130	2051 65 Surcharge - late filing fee or oath	Fee Paid		
Deposit Deposit	Number Deposit		1052 50	2052 25 Surcharge - late mining lee of data		
Account NAVA	Account NAVAL RESEARCH LABORATORY			cover sheet		
	authorized to: (check all that a	pply)	1053 130	1053 130 Non-English specification		
Charge fee(s) indic	ated below Credit any	overpayments	1812 2,520	1812 2,520 For filing a request for ex parte reexamination		
Charge any additional fee(s) during the pendency of this application		1804 920*	1804 920* Requesting publication of SIR prior to Examiner action			
harge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1805 1,840*	1805 1,840* Requesting publication of SIR after Examiner action			
F	EE CALCULATION		1251 110	2251 55 Extension for reply within first month	i	
1. BASIC FILING FEE		1252 410	2252 205 Extension for reply within second month			
Large Entity Small Entity		1253 930	2253 465 Extension for reply within third month			
Fee Fee Fee Fee Fee Code (\$)		Fee Paid	1254 1,450	2254 725 Extension for reply within fourth month		
1001 750 2001 3	•	750 00	1255 1,970	2255 985 Extension for reply within fifth month		
1002 330 2002 1	65 Design filing fee	750.00	1401 320	2401 160 Notice of Appeal		
1003 520 2003 2	60 Plant filing fee	<del>                                     </del>	1402 320	2402 160 Filing a brief in support of an appeal		
1004 750 2004 3	75 Reissue filing fee		1403 280	2403 140 Request for oral hearing		
1005 160 2005	BO Provisional filing fee		1451 1,510	1451 1,510 Petition to institute a public use proceeding		
1	SUBTOTAL (1) (\$) 7	750.00	1452 110	2452 55 Petition to revive - unavoidable		
2 EVEDA OLAIM			1453 1,300	2453 650 Petition to revive - unintentional		
2. EXTRA CLAIM	FEES FOR UTILITY AN	om	1501 1,300	2501 650 Utility issue fee (or reissue)		
Total Claims 7 -20- = x		1502 470	2502 235 Design issue fee			
		1503 630	2503 315 Plant issue fee			
		1460 130	1460 130 Petitions to the Commissioner			
		1807 50	1807 50 Processing fee under 37 CFR 1.17(q)			
	Entity Fee Fee Description		1806 180	1806 180 Submission of information Disclosure Stmt		
Code (\$) Cod	e (\$)	_	8021 40	8021 40 Recording each patent assignment per property (times number of properties)		
	02 9 Claims in excess of 20		1809 750	2809 375 Filing a submission after final rejection		
	01 42 Independent claims in e			(37 CFR 1.129(a))		
	03 140 Multiple dependent clai		1810 750	2810 375 For each additional invention to be examined (37 CFR 1.129(b))		
1204 84 22	04 42 Reissue independent over original patent	t ciaims	1801 750	2801 375 Request for Continued Examination (RCE)		
1205 18 220	5 9 * Reissue claims in e and over original pa		1802 900	1802 900 Request for expedited examination of a design application		
SUBTOTAL (2) (\$) 0		Other fee (sp	ecify)			
• *or number previously paid, if greater, For Reissues, see above		• Reduced by	Basic Filing Fee Paid SUBTOTAL (3) (\$) 0			

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Registration No.

36,182

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.